

## CLAIMS

What is claimed is:

1. A method of transmitting digital information, comprising the steps of:

5 (a) transmitting a first word of a packet, comprising the steps of:

(1) transmitting start information onto a first bus, wherein the start information indicates a start of the packet;

(2) transmitting lower order memory address  
10 bits onto a first group of second bus lines;

(3) transmitting first opcode information onto an Nth bus line of the second bus lines, wherein N is an integer, and wherein the Nth bus line is not a bus line within the first group of the second bus lines;

15 (b) transmitting a second word of the packet, comprising the steps of:

(1) transmitting second op code onto the first bus;

(2) transmitting higher order memory address  
bits onto the first group of the second bus lines;

20 (3) transmitting third op code information onto the Nth bus line of the second bus lines.

2. The method of claim 1 of transmitting digital information, further comprising the steps of:

(a) transmitting a third word of a packet, comprising  
25 the steps of:

(1) transmitting a master device code for detecting collisions;

(2) transmitting count information for determining a count of a number of bytes of a memory transaction.

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